

Having thus described the invention, it is claimed:

1. A snowplow blade mount assembly mountable on a vehicle comprising a frame mount assembly, a support assembly and a blade mount assembly, said frame mount assembly affixed to the frame of the vehicle, said support assembly adapted to be connect to said frame assembly, said frame mount assembly including at least one connection arrangement positioned
5 beneath and behind the bumper of said vehicle, said support assembly detachably connected to said connection arrangement of said frame mount assembly, said blade mount assembly detachably connected to said support assembly.
2. The assembly as defined in claim 1, wherein said connection arrangement includes a guide section adapted to guide at least a portion of said support assembly within said connection arrangement as said support assembly is connected to said frame mount assembly.
3. The assembly as defined in claim 1, wherein said connection arrangement includes a landing adapted to at least partially receive at least a portion of said support assembly when said support assembly is connected to said frame mount assembly.
4. The assembly as defined in claim 2, wherein said connection arrangement includes a landing adapted to at least partially receive at least a portion of said support assembly when said support assembly is connected to said frame mount assembly.

5. The assembly as defined in claim 3, wherein a portion of said landing includes an angular lip to guide at least a portion of said support assembly within said connection arrangement as said support assembly is connected to said frame mount assembly.

6. The assembly as defined in claim 4, wherein a portion of said landing includes an angular lip to guide at least a portion of said support assembly within said connection arrangement as said support assembly is connected to said frame mount assembly.

7. The assembly as defined in claim 3, wherein a guide section positioned at least closely adjacent to said landing, said guide section adapted to guide at least a portion of said support assembly to said landing as said support assembly is connected to said frame mount assembly.

8. The assembly as defined in claim 5, wherein a guide section positioned at least closely adjacent to said landing, said guide section adapted to guide at least a portion of said support assembly to said landing as said support assembly is connected to said frame mount assembly.

9. The assembly as defined in claim 6, wherein a guide section positioned at least closely adjacent to said landing, said guide section adapted to guide at least a portion of said support assembly to said landing as said support assembly is connected to said frame mount assembly.

10. The assembly as defined in claim 1, wherein said frame mount assembly includes a plurality of connection arrangements, at least two connection arrangements connect said support assembly to said frame mount assembly.

11. The assembly as defined in claim 9, wherein said frame mount assembly includes a plurality of connection arrangements, at least two connection arrangements connect said support assembly to said frame mount assembly.

12. The assembly as defined in claim 3, wherein said frame mount assembly includes a plurality of connection arrangements, at least two connection arrangements connect said support assembly to said frame mount assembly.

13. The assembly as defined in claim 12, wherein at least one connection arrangement is position in said landing, and at least one connection arrangement is spaced from said landing.

14. The assembly as defined in claim 11, wherein at least one connection arrangement is position in said landing, and at least one connection arrangement is spaced from said landing.

15. The assembly as defined in claim 10, wherein support assembly includes an end portion and a mid-section portion, said support assembly connected to said frame mount assembly at said end portion and said mid-section portion.

16. The assembly as defined in claim 2, wherein said guide section including a plurality of surfaces angularly oriented with respect to one another.

17. The assembly as defined in claim 4, wherein said landing including a plurality of inner surfaces, said inner surfaces forming complimentary surfaces with a plurality of outer surfaces of said support assembly when at least a portion of said support assembly is connected in said landing.

18. The assembly as defined in claim 3, wherein said landing including a plurality of inner surfaces, said inner surfaces forming complimentary surfaces with a plurality of outer surfaces of said support assembly when at least a portion of said support assembly is connected in said landing.

19. The assembly as defined in claim 14, wherein said landing including a plurality of inner surfaces, said inner surfaces forming complimentary surfaces with a plurality of outer surfaces of said support assembly when at least a portion of said support assembly is connected in said landing.

20. The assembly as defined in claim 1, wherein said support assembly includes at least one positioning flange adapted to at least partially orient at least a portion of said support assembly in said connection arrangement as said support assembly is connected to said frame mount assembly.

21. The assembly as defined in claim 2, wherein said support assembly includes at least one positioning flange adapted to at least partially orient at least a portion of said support assembly in said connection arrangement as said support assembly is connected to said frame mount assembly.

22. The assembly as defined in claim 3, wherein said support assembly includes at least one positioning flange adapted to at least partially orient at least a portion of said support assembly in said connection arrangement as said support assembly is connected to said frame mount assembly.

23. The assembly as defined in claim 19, wherein said support assembly includes at least one positioning flange adapted to at least partially orient at least a portion of said support assembly in said connection arrangement as said support assembly is connected to said frame mount assembly.

24. The assembly as defined in claim 1, wherein said support assembly includes at least one bumper plate spaced from an end of said support assembly to terminate further movement of said support assembly toward said frame mount assembly during the connection of said support assembly to said frame mount assembly.

25. The assembly as defined in claim 2, wherein said support assembly includes at least one bumper plate spaced from an end of said support assembly to terminate further movement of said support assembly toward said frame mount assembly during the connection of said support assembly to said frame mount assembly.

26. The assembly as defined in claim 3, wherein said support assembly includes at least one bumper plate spaced from an end of said support assembly to terminate further movement of said support assembly toward said frame mount assembly during the connection of said support assembly to said frame mount assembly.

27. The assembly as defined in claim 23, wherein said support assembly includes at least one bumper plate spaced from an end of said support assembly to terminate further movement of said support assembly toward said frame mount assembly during the connection of said support assembly to said frame mount assembly.

28. The assembly as defined in claim 1, wherein said support assembly includes at least one connector to secure said blade mount assembly to said support assembly.

29. The assembly as defined in claim 2, wherein said support assembly includes at least one connector to secure said blade mount assembly to said support assembly.

30. The assembly as defined in claim 3, wherein said support assembly includes at least one connector to secure said blade mount assembly to said support assembly.

31. The assembly as defined in claim 27, wherein said support assembly includes at least one connector to secure said blade mount assembly to said support assembly.

32. The assembly as defined in claim 1, wherein said blade mount assembly includes a leg support to elevate at least one end of said blade mount assembly from the ground when said blade mount assembly is detached from said vehicle.

33. The assembly as defined in claim 2, wherein said blade mount assembly includes a leg support to elevate at least one end of said blade mount assembly from the ground when said blade mount assembly is detached from said vehicle.

34. The assembly as defined in claim 3, wherein said blade mount assembly includes a leg support to elevate at least one end of said blade mount assembly from the ground when said blade mount assembly is detached from said vehicle.

35. The assembly as defined in claim 31, wherein said blade mount assembly includes a leg support to elevate at least one end of said blade mount assembly from the ground when said blade mount assembly is detached from said vehicle.

36. The assembly as defined in claim 32, wherein said leg support adjustably elevates said at least one end of said blade mount assembly from the ground.

37. The assembly as defined in claim 32, wherein said leg support is positionable between a retracted non-supporting position and an extended supporting position.

38. The assembly as defined in claim 1, including a lift mount assembly secured to said support assembly.

39. The assembly as defined in claim 2, including a lift mount assembly secured to said support assembly.

40. The assembly as defined in claim 3, including a lift mount assembly secured to said support assembly.

41. The assembly as defined in claim 35, including a lift mount assembly secured to said support assembly.

42. The assembly as defined in claim 38, wherein said lift mount assembly is permanently rigidly connected to said support assembly.

43. The assembly as defined in claim 38, wherein said lift mount assembly includes first and second extension legs, said legs including a plurality of connector positions to adjustably position the height of a lift bar connected to said legs.

44. The assembly as defined in claim 39, wherein said lift mount assembly includes first and second extension legs, said legs including a plurality of connector positions to adjustably position the height of a lift bar connected to said legs.

45. The assembly as defined in claim 40, wherein said lift mount assembly includes first and second extension legs, said legs including a plurality of connector positions to adjustably position the height of a lift bar connected to said legs.

46. The assembly as defined in claim 41, wherein said lift mount assembly includes first and second extension legs, said legs including a plurality of connector positions to adjustably position the height of a lift bar connected to said legs.

47. The assembly as defined in claim 38, wherein said lift mount assembly includes at least one auxiliary light connector adapted to connect an auxiliary light to said lift mount assembly.

48. The assembly as defined in claim 1, including a snowplow blade connected to said blade mount assembly, said snowplow blade including a deflector flap secured to a top edge of said plow blade and extending downwardly from said top edge.

49. The assembly as defined in claim 2, including a snowplow blade connected to said blade mount assembly, said snowplow blade including a deflector flap secured to a top edge of said

plow blade and extending downwardly from said top edge.

50. The assembly as defined in claim 3, including a snowplow blade connected to said blade mount assembly, said snowplow blade including a deflector flap secured to a top edge of said plow blade and extending downwardly from said top edge.

51. The assembly as defined in claim 46, including a snowplow blade connected to said blade mount assembly, said snowplow blade including a deflector flap secured to a top edge of said plow blade and extending downwardly from said top edge.

52. The assembly as defined in claim 1, wherein said connection arrangement includes at least one connector biased in a secured position.

53. The assembly as defined in claim 1, wherein said blade mount assembly includes a skid plate to contact a ground surface when plow snow from the ground surface, said skid plate adjustably extendable toward said ground surface.

54. A snowplow blade mount assembly mountable on a vehicle comprising a blade mount assembly which connects a snowplow blade to a vehicle, said blade mount assembly including two end sections, one end section including a snow blade connector, the other end section including a support leg to elevate said other end of said blade mount assembly above a ground surface when said

5 blade mount assembly is detached from said vehicle.

55. The assembly as defined in claim 54, wherein said leg support includes a plurality of position connectors to adjust the position of said leg support.

56. The assembly as defined in claim 54, wherein said leg support is positionable between a retracted non-supporting position and an extended supporting position.

57. The assembly as defined in claim 54, wherein said leg support is positionable between a retracted non-supporting position and an extended supporting position.

58. The assembly as defined in claim 54, wherein said leg support adjustably elevates said at least one end of said blade mount assembly from the ground.

59. The assembly as defined in claim 54, wherein said snowplow blade including a deflector flap secured to a top edge of said plow blade and extending downwardly from said top edge.

60. The assembly as defined in claim 33, wherein said blade mount assembly includes at least one connector to connect to a support assembly, said support assembly attachable to said vehicle.

61. The assembly as defined in claim 59, wherein said blade mount assembly includes at least one connector to connect to a support assembly, said support assembly attachable to said vehicle.

62. A plow blade to clear snow, dirt, sand, gravel, debris and the like from a ground surface comprising a blade with a front face, back face, and top edge, said back face secured to a substantially rigid frame to be mounted to a vehicle, said plow blade having a generally arcuate shape and a deflection flap secured to the top edge of said plow blade, said deflection flap extending
5 downwardly in front of the front face of said blade.

63. A plow blade as defined in claim 62, wherein said deflection flap position along substantially the complete length of said top edge.

64. A plow blade as defined in claim 62, including a bracket secured to the top of said blade and connected at least closely adjacent to an edge of said deflector flap.

65. A plow blade as defined in claim 63, including a bracket secured to the top of said blade and connected at least closely adjacent to an edge of said deflector flap.

66. A plow blade as defined in claim 62, wherein the top of said face of said blade lying in a tangential plane and said deflection flap connected to said top edge and lying in a plane

substantially perpendicular to said tangential plane.

67. A plow blade as defined in claim 65, wherein the top of said face of said blade lying in a tangential plane and said deflection flap connected to said top edge and lying in a plane substantially perpendicular to said tangential plane.

68. A plow blade as defined in claim 62, wherein said deflection flap made of a flexible material.

69. A plow blade as defined in claim 62, wherein said front face of said blade having a radius of curvature, said deflection flap having a length of up to about 15% of said radius.

70. A plow blade as defined in claim 62, wherein said blade including plastic mold board.

71. A plow blade as defined in claim 67, wherein said blade including plastic mold board.

72. A plow blade as defined in claim 71, wherein said deflection flap made of a flexible material.

73. A plow blade as defined in claim 72, wherein said front face of said blade having a radius of curvature, said deflection flap having a length of up to about 15% of said radius.

74. A snowplow blade mount assembly mountable on a vehicle comprising a lift mount assembly to lift and lower a snowplow blade, said lift mount assembly including two legs positioned substantially parallel to each other and an adjustable support bar connected to said two legs, each of
5 said legs including a plurality of connectors positioned along the length of said legs to secure said support bar to said legs.

75. The assembly as defined in claim 74, wherein said support bar being adjustably connectable along the length of said legs and about the longitudinal axis of said support bar.

76. The assembly as defined in claim 74, wherein the base end of said legs is connected to a support assembly, said support assembly attachable to said vehicle.

77. The assembly as defined in claim 75, wherein the base end of said legs is connected to a support assembly, said support assembly attachable to said vehicle.

78. The assembly as defined in claim 76, including a base brace secured between said two legs and positioned at least closely adjacent to said base end of said legs.

79. The assembly as defined in claim 77, including a base brace secured between said two legs and positioned at least closely adjacent to said base end of said legs.

80. The assembly as defined in claim 76, wherein said base ends of said legs being adjustably secured to said support assembly.

81. The assembly as defined in claim 79, wherein said base ends of said legs being adjustably secured to said support assembly.

82. The assembly as defined in claim 74, wherein said base ends of said legs being permanently secured to said support assembly.

83. The assembly as defined in claim 79, wherein said base ends of said legs being permanently secured to said support assembly.

84. The assembly as defined in claim 74, including at least one auxiliary light connector adapted to connect an auxiliary light to said lift mount assembly.

85. The assembly as defined in claim 79, including at least one auxiliary light connector adapted to connect an auxiliary light to said lift mount assembly.

86. The assembly as defined in claim 74, including a support leg mount to detachably connect a support leg to said lift mount assembly.

87. The assembly as defined in claim 79, including a support leg mount to detachably connect a support leg to said lift mount assembly.